

Supplementary Table 1 The prevalence of adenomatous polyps in different position

	Left colon				Right colon				
	rectum	sigmoid	descending	splenic flexure	transverse	ascending	hepatic flexure	cecum	ileocecal
	N=374	N=1058	N=453	N=54	N=700	N=380	N=167	N=115	N=74
Adenomatous polyps	333	1021	444	54	690	371	163	112	71
- no. (%)	(89.0%)	(96.5%)	(98.0%)	(100%)	(98.6%)	(97.6%)	(97.6%)	(97.4%)	(96.0%)
Adenomatous polyps with high-grade neoplasia	41	37	9	0	10	9	4	3	3
- no. (%)	(11.0%)	(3.5%)	(2%)	(0%)	(1.4%)	(2.4%)	(2.4%)	(2.6%)	(4.0%)

Supplementary Table 2 The prevalence of adenomatous polyps in the left and right colon at aged <40 years

	Entire colon	Both left- and right colon	Left colon	Right colon	OR (95%CI) of left vs right colon	P value of left vs right colon	OR (95%CI) of aged ≤45y vs <40y in left colon	P value of aged ≤45y vs <40y in left colon	OR (95%CI) of aged ≤45y vs <40y in entire colon	P value of aged ≤45y vs <40y in entire colon
Adenomatous polyps - no. (%)	1413 (85.2%)	128 (9.8%)	895 (54.0%)	646 (39.0%)	1.8 (95% 0.8-2.1)	P<0.0001	1.0 (95% 0.5-1.2)	P=0.5004	1.2 (95% 1.0-1.4)	P=0.1107
Adenomatous polyps with high-grade neoplasia - no. (%)	66 (4.0%)	3 (0.1%)	51 (3.1%)	18 (1.1%)	2.9 (95% 1.7-4.9)	P<0.0001	0.9 (95% 0.6-1.3)	P=0.4617	0.9 (95% 0.6-1.2)	P=0.3723